

Contact

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HyperPlus 5e OSP

HyperPlus 5e OSP

Part Number: 10071496

Berk-Tek's Hyper Plus 5e OSP (Outside Plant) Standard Category 5e UTP cables are designed for outside applications, either aerial or buried in conduit or duct, where building to building interconnections must be made.

Description

Construction

24 AWG bare copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit which is injected with a water resistant flooding compound and jacketed with UV resistant polyethylene.

Standards

- North American ANSI/TIA/EIA-568-B.2 Category 5e and Category 5, ANSI/ICEA 5-56-434
- International ISO/IEC 11801 Category 5 , EU Directive 2002/95/EC (RoHS)

Applications

Berk-Tek's Hyper Plus 5e OSP UTP cable is intended for high speed data applications including:

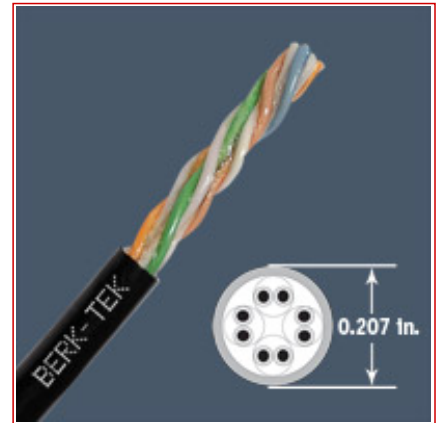
- IEEE 802.3 1000BASE-T 1 Gb/s
- ATM 155 Mb/s 155 Mb/s
- IEEE 802.3 100BASE-TX 100 Mb/s
- CDDI 100 Mb/s
- IEEE 802.3 10BASE-T 10 Mb/s

Features

- Supports most data and voice applications
- Meets ANSI/ICEA 5-56-434 Standard for Polyolefin Insulated Communications Cables for Outdoor Use
- ETL Verified to TIA/EIA-568-B.2 Category 5e
- Fully water blocked

Benefits

- Can be used to interconnect buildings or can be run beneath a slab in duct or conduit
- Simplified structured cabling solution preserving long-term network investment
- Meets NEC requirement for cable in wet locations



Standards

National TIA/EIA-568-B.2



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Characteristics

| Construction characteristics | |
|------------------------------|-----------|
| Type of cable | UTP |
| Colour | Black |
| Dimensional characteristics | |
| Length per reel | 1000.0 ft |
| Number of pairs | 4 |
| Usage characteristics | |
| Packaging | Reel |
| Field of application | Outdoor |
| Category | Cat. 5e |
| Fire safety | — |

Technical Data - Physical

| Technical Data - Physical | | | Color Code | | |
|--|-----------|--------|--------------------|----------------|--------|
| | | | Pair-1 | White | Blue |
| Conductor | 24 AWG BC | | Pair-2 | White | Orange |
| Conductor diameter—in. (mm) | 0.02 | (0.51) | Pair-3 | White | Green |
| Insulated Conductor Diameter- in. (mm) | 0.038 | (0.96) | Pair-4 | White | Brown |
| Cable diameter—in. (mm) | 0.207 | (5.3) | | | |
| Nominal cable weight—lb./kft. (kg/km) | 20 | (30) | Temperature Rating | | |
| Max. installation tension—lb. (N) | 25 | (110) | Installation | 0°C to +50°C | |
| Min. bend radius—in. (mm) | 1 | (25.4) | Operation | -20°C to +60°C | |

Technical Data - Parametric Measurements

| | |
|--------------------------|----------------------|
| Mutual Capacitance | 5.6 nF/100 m max. |
| DC resistance | 9.38 Ohms/100 m max. |
| Skew | 25 ns/100 m max. |
| Pair to ground Unbalance | 330 pF/100 m max. |
| Velocity of Propagation | 72% nom. |
| Input Impedance | 100 ± 15% 1-100 MHz |
| DC Resistance Unbalance: | 5% max. |

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Technical Data - Electrical

| FREQ MHz | SRL (dB) | RL (dB) | IL (dB/100m) | PS-NEXT (dB) | NEXT (dB) | ACR (dB/100m) | PS-ACR (dB/100m) | ELFEXT (dB) | PS-ELFEXT (dB) |
|-------------|-------------|------------|-----------------|-----------------|--------------|------------------|---------------------|----------------|-------------------|
| | min. | min. | max. | min. | min. | min. | min. | min. | min. |
| 1 | 25.0 | 20.0 | 2.0 | 62.3 | 66.3 | 64.3 | 60.3 | 63.8 | 60.8 |
| 4 | 25.0 | 23.0 | 4.1 | 53.3 | 57.3 | 53.2 | 49.2 | 51.8 | 48.8 |
| 10 | 25.0 | 25.0 | 6.5 | 47.3 | 51.3 | 44.8 | 40.8 | 43.8 | 40.8 |
| 16 | 25.0 | 25.0 | 8.2 | 44.2 | 48.3 | 40.1 | 36 | 39.7 | 36.7 |
| 20 | 25.0 | 25.0 | 9.3 | 42.8 | 46.8 | 37.5 | 33.5 | 37.8 | 34.8 |
| 31.25 | 23.6 | 23.6 | 11.7 | 39.9 | 43.9 | 32.2 | 28.2 | 33.9 | 30.9 |
| 62.5 | 21.5 | 21.5 | 17.0 | 35.4 | 39.4 | 22.4 | 18.4 | 27.9 | 24.9 |
| 100 | 20.1 | 20.1 | 22.0 | 32.3 | 36.3 | 14.3 | 10.3 | 23.8 | 20.8 |

Selling delivery information

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